

Application No.: 10/669,404  
 Docket No.: UC0318 US NA

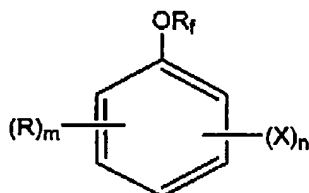
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### AMENDMENTS TO THE SPECIFICATION

Please amend the above referenced specification as follows.

Page 1, line 31 through page 2, line 27, replace with the following:

The invention provides fluorinated solvents useful for solution deposition of organic active materials in the manufacture of organic electronic devices. In one embodiment, there are provided compounds having the structure:



wherein:

R is  $C_1$ - $C_{10}$  alkyl,  $C_1$ - $C_{10}$  alkoxy, or  $C_1$ - $C_{10}$  oxyalkyl,

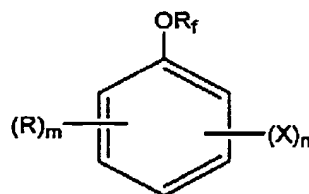
$R_f$  is  $C_1$ - $C_{10}$  fluorinated alkyl,  $C_4$ - $C_{40}$   $C_2$ - $C_{10}$  fluorinated alkenyl,  $C_1$ - $C_{10}$  fluorinated oxyalkyl, or  $C_4$ - $C_{40}$   $C_2$ - $C_{10}$  fluorinated oxyalkenyl, and

X is H, F, Cl, Br,  $C_1$ - $C_{10}$  alkyl,  $C_1$ - $C_{10}$  alkoxy,  $C_1$ - $C_{10}$  oxyalkyl,  $C_1$ - $C_{10}$  fluorinated alkyl,  $C_4$ - $C_{40}$   $C_2$ - $C_{10}$  fluorinated alkenyl,  $C_1$ - $C_{10}$  fluorinated oxyalkyl, or  $C_4$ - $C_{40}$   $C_2$ - $C_{10}$  fluorinated oxyalkenyl,

m is from 1-5, and

n is from 0-4, wherein  $m + n$  is no greater than 5.

In another embodiment, there are provided organic electronic devices having at least one organic active layer, deposited from a solution, wherein the solution comprises at least one compound having the structure:



wherein:

R is  $C_1$ - $C_{10}$  alkyl,  $C_1$ - $C_{10}$  alkoxy, or  $C_1$ - $C_{10}$  oxyalkyl,

$R_f$  is  $C_4$ - $C_{40}$   $C_2$ - $C_{10}$  fluorinated alkyl,  $C_1$ - $C_{10}$  fluorinated alkenyl,  $C_1$ - $C_{10}$  fluorinated oxyalkyl, or  $C_4$ - $C_{40}$   $C_2$ - $C_{10}$  fluorinated oxyalkenyl, and

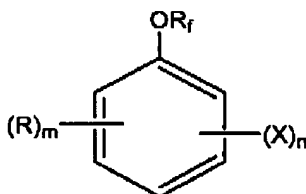
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X is H, F, Cl, Br, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> oxyalkyl, C<sub>1</sub>-C<sub>10</sub> fluorinated alkyl, ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated alkenyl, C<sub>1</sub>-C<sub>10</sub> fluorinated oxyalkyl, or ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated oxyalkenyl,  
 m is from 0-5, and  
 n is from 0-5, wherein m + n is no greater than 5.

Page 3, lines 4-18, replace with the following.

It has been found that certain fluorinated arylethers are useful as solvents for solution deposition of organic active materials onto a variety of surfaces. In one embodiment, there are provided compounds having the structure:



wherein:

R is C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, or C<sub>1</sub>-C<sub>10</sub> oxyalkyl,  
 R<sub>f</sub> is C<sub>1</sub>-C<sub>10</sub> fluorinated alkyl, ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated alkenyl, C<sub>1</sub>-C<sub>10</sub> fluorinated oxyalkyl, or ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated oxyalkenyl, and  
 X is H, F, Cl, Br, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> oxyalkyl, C<sub>1</sub>-C<sub>10</sub> fluorinated alkyl, ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated alkenyl, C<sub>1</sub>-C<sub>10</sub> fluorinated oxyalkyl, or ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated oxyalkenyl,  
 m is from 1-5, and  
 n is from 0-4, wherein m + n is no greater than 5.

In the compounds of the invention, the R group is not fluorinated.

Page 5, lines 7-9, replace with the following paragraph.

In some embodiments of the invention, R<sub>f</sub> is C<sub>1</sub>-C<sub>10</sub> fluorinated alkyl, ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated alkenyl, C<sub>1</sub>-C<sub>10</sub> fluorinated oxyalkyl, or ~~C<sub>4</sub>-C<sub>40</sub>~~ C<sub>2</sub>-C<sub>10</sub> fluorinated oxyalkenyl.

Page 7, lines 4-20, replace with the following paragraph.

Scheme 1 depicts a reaction between a phenol and a suitable fluorinated olefin in the presence of a base catalyst, resulting in the corresponding fluorinated

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arylether. The reactions outlined above employ a C<sub>2</sub> and a C<sub>3</sub> fluorinated olefin, i.e., tetrafluoroethylene and hexafluoropropylene, respectively, however, it is understood that any C<sub>4</sub>-C<sub>40</sub> ~~C<sub>2</sub>-C<sub>10</sub>~~ fluorinated olefin is suitable for use in preparing new fluorinated aryl ethers. Aryl-1,1,1,2,3,3-hexafluoropropyl ethers M, N and O were prepared similarly, by reacting phenolic compound in the presence of base with hexafluoropropene, instead of tetrafluoroethylene. It should be pointed out, that in this case isolated product contained 6-8% of unsaturated material [CF<sub>3</sub>CF=CFOAr], forming in the reaction as byproduct. The reaction set forth in Scheme 1 is typically carried out in polar solvents or polar solvent mixtures, such as, for example, water, water/acetonitrile, and the like. The reaction is typically carried out at a temperature of at least about 80°C for about 10-15 hours. Reaction conditions and boiling points of polyfluorinated aryl ethers are given in Table 1 of Example 1.